

FIG. 1 is a perspective view of a hard disk drive (HDD) 10, showing the top surface of the HDD. The HDD 10 includes a top cover 14, a bottom cover 18, and a central hub 22. A disk 24 is mounted on the central hub 22. A spindle motor 26 is located at the center of the disk 24. A read/write head assembly 30 is positioned above the disk 24, and a slider 32 is mounted on the head assembly 30. A suspension arm 34 is connected to the slider 32. A voice coil motor (VCM) 36 is located at the top of the HDD 10, and a VCM coil 38 is mounted on the suspension arm 34. A VCM coil 40 is also shown. A VCM coil 42 is mounted on the slider 32. A VCM coil 44 is mounted on the slider 32. A VCM coil 46 is mounted on the slider 32. A VCM coil 48 is mounted on the slider 32. A VCM coil 50 is mounted on the slider 32. A VCM coil 52 is mounted on the slider 32. A VCM coil 54 is mounted on the slider 32. A VCM coil 56 is mounted on the slider 32. A VCM coil 58 is mounted on the slider 32. A VCM coil 60 is mounted on the slider 32. A VCM coil 62 is mounted on the slider 32. A VCM coil 64 is mounted on the slider 32. A VCM coil 66 is mounted on the slider 32. A VCM coil 68 is mounted on the slider 32. A VCM coil 70 is mounted on the slider 32. A VCM coil 72 is mounted on the slider 32. A VCM coil 74 is mounted on the slider 32. A VCM coil 76 is mounted on the slider 32. A VCM coil 78 is mounted on the slider 32. A VCM coil 80 is mounted on the slider 32. A VCM coil 82 is mounted on the slider 32. A VCM coil 84 is mounted on the slider 32. A VCM coil 86 is mounted on the slider 32. A VCM coil 88 is mounted on the slider 32. A VCM coil 90 is mounted on the slider 32. A VCM coil 92 is mounted on the slider 32. A VCM coil 94 is mounted on the slider 32. A VCM coil 96 is mounted on the slider 32. A VCM coil 98 is mounted on the slider 32. A VCM coil 100 is mounted on the slider 32.

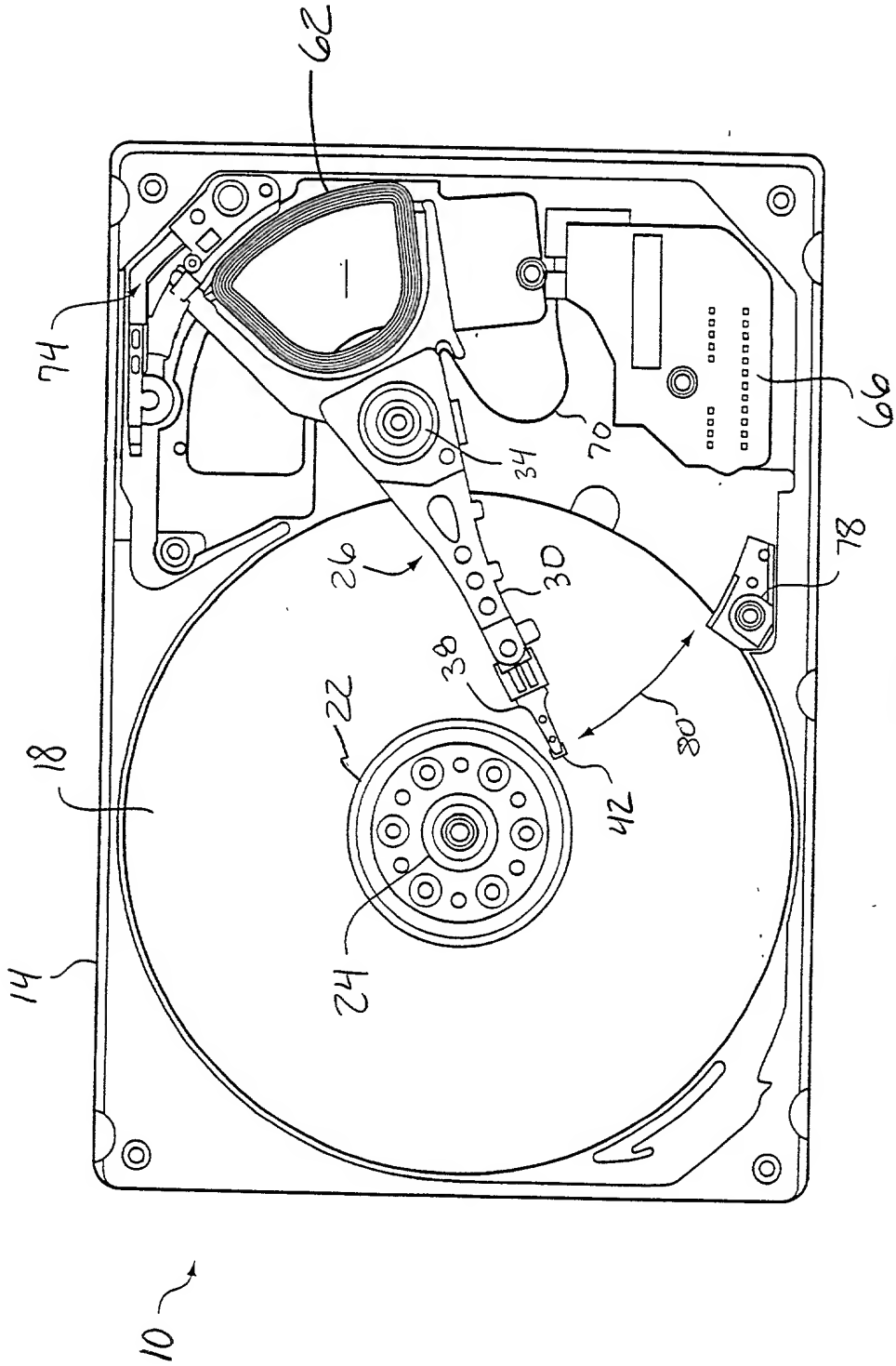


FIG. 1

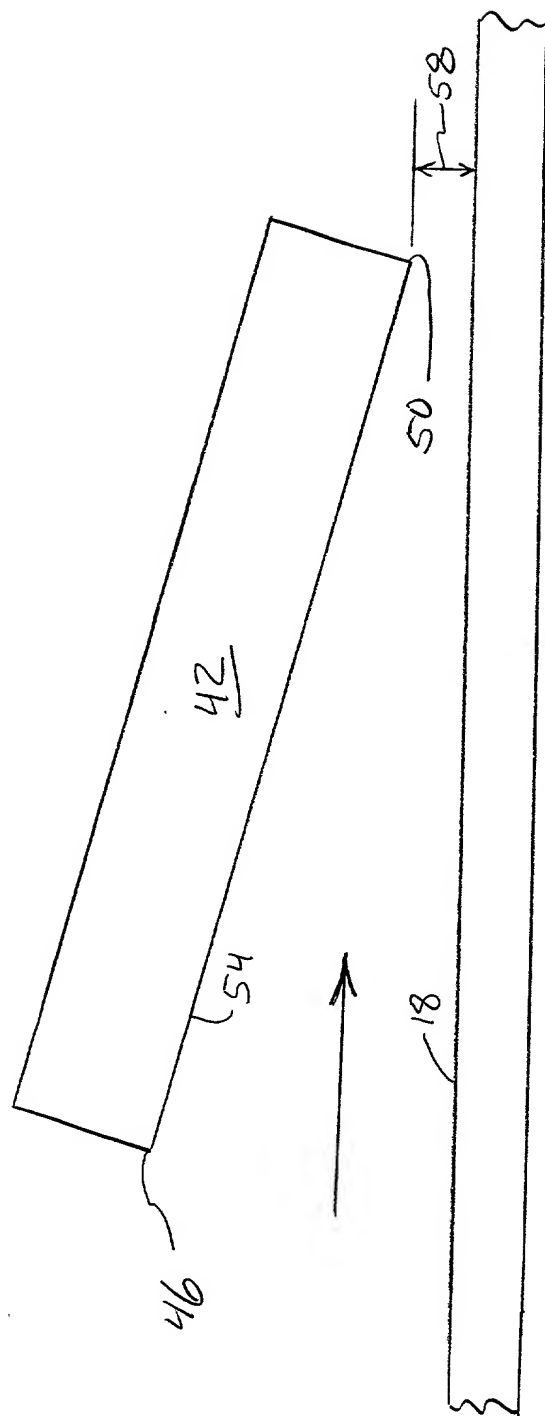


Fig. 2

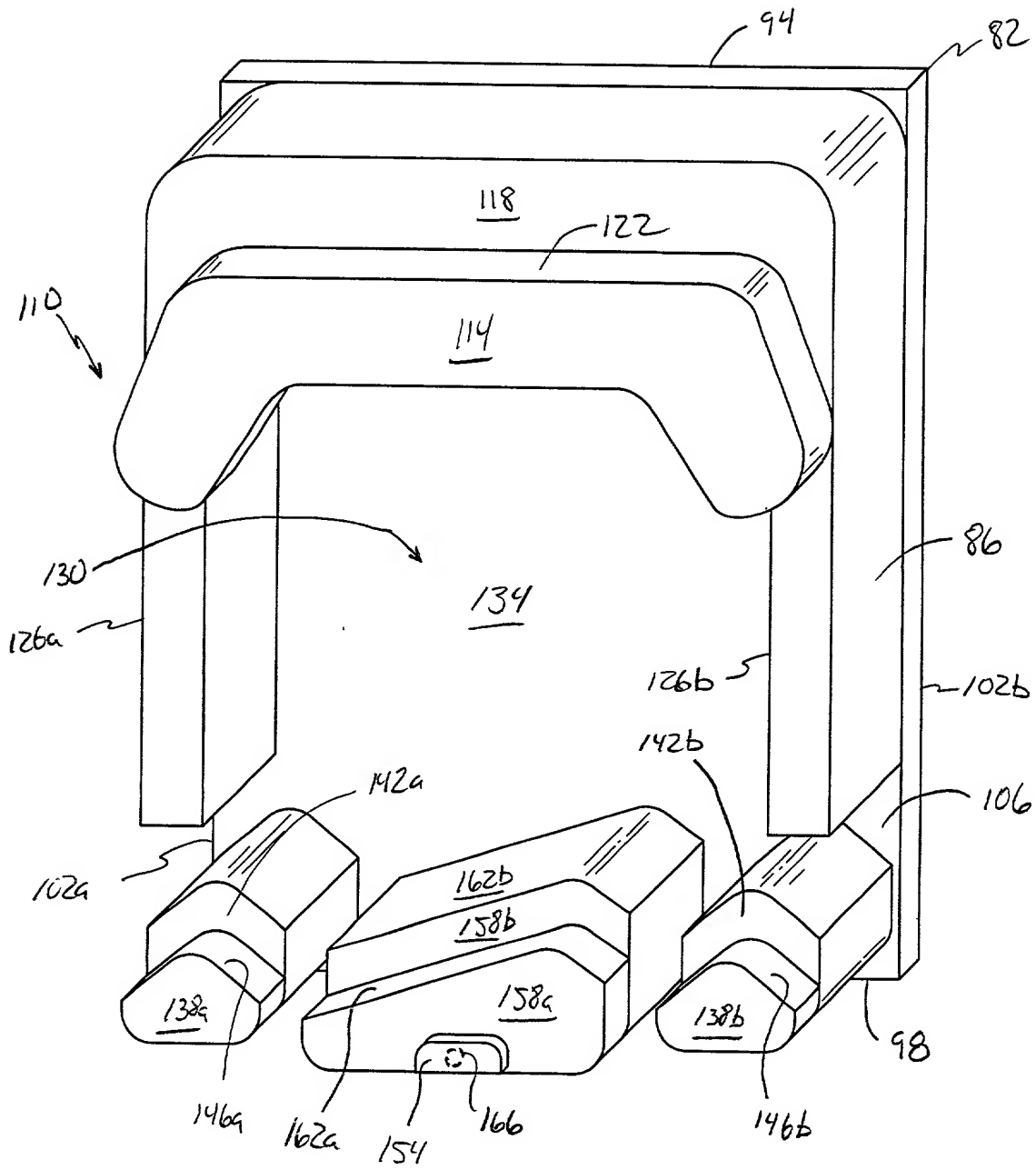
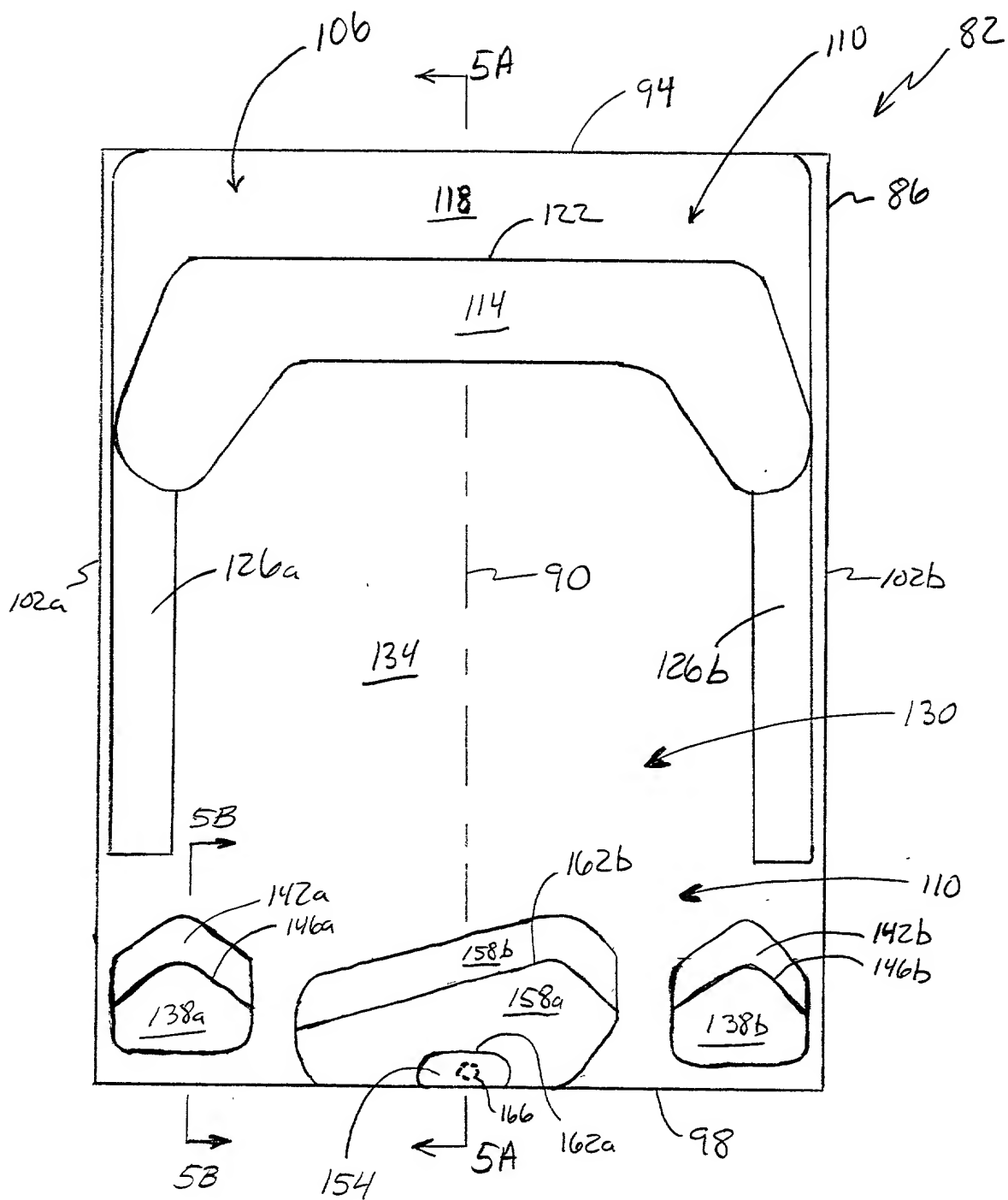


FIG. 3



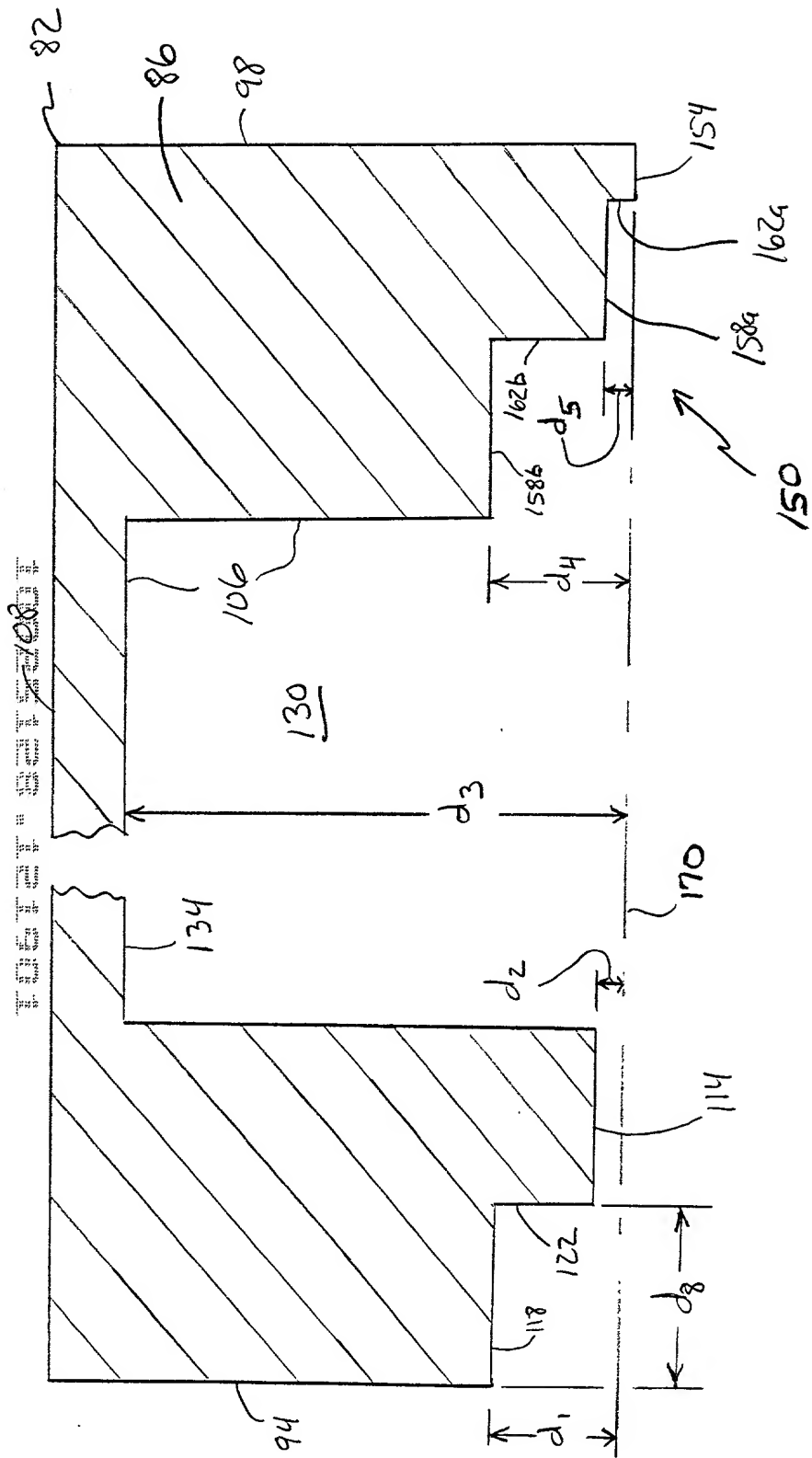
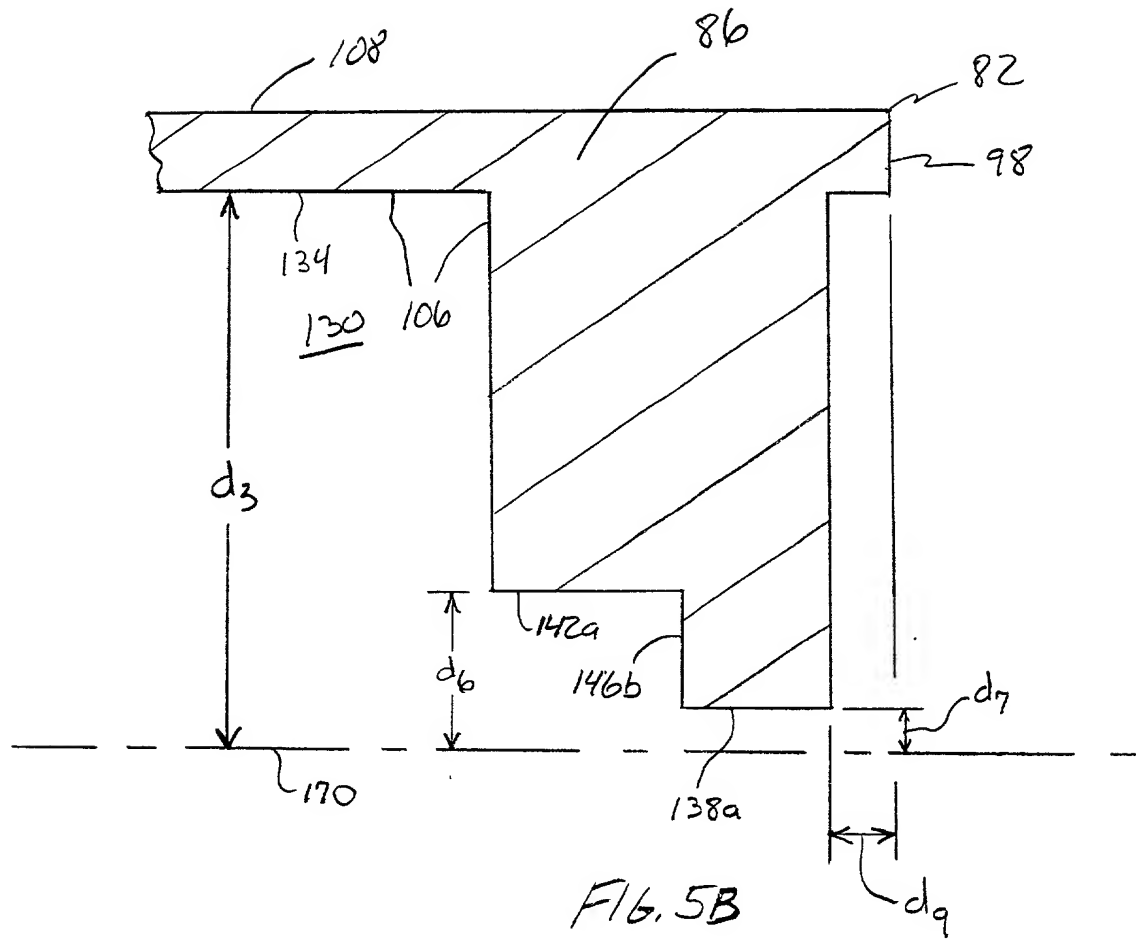


Fig. 5A





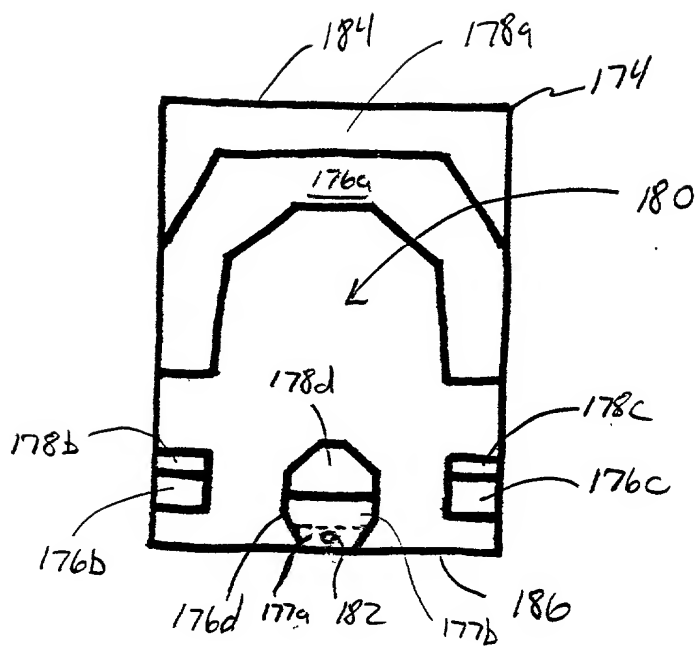


FIG. 7  
(Prior Art)



